

Amendment of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (cancelled)

4. (currently amended) An integrated circuit computer system comprising:
a processor interconnected with memory and peripheral circuits on said integrated circuit;
a scan-path interface circuit for reading out contents of a predetermined memory or register in said system,
a switching circuit coupled to said processor and to said scan-path interface circuit for switching said scan-path interface circuit between a first mode in which it is enabled and a second mode in which it is disabled; and
a security means-mechanism comprising:
a plurality of input ports for said processor;
a program stored in said memory to operate said processor to receive a plurality of commands applied to said plurality of input ports and to process said commands to produce a password which is compared with a predetermined password;
and wherein said switching circuit is responsive to said comparison.
5. (previously added) The computer system of claim 4 wherein said program operates said processor to receive said plurality of commands which are applied to said plurality of ports in a specific time sequence.
6. (previously added) The computer system of claim 4 further comprising a pair of registers, one of said registers receiving said produced password and the other of said

registers containing said predetermined password; and a comparator for comparing the contents of said registers for controlling said switching circuit.

7. (previously added) The computer system of claim 5 further comprising a pair of registers, one of said registers receiving said produced password and the other of said registers containing said predetermined password; and a comparator for comparing the contents of said registers for controlling said switching circuit.

8. (currently amended) In an integrated circuit computer system having a processor interconnected with memory and peripheral circuits on said integrated circuit and ~~coupled to a scan-path interface circuit~~, a security system comprising:

a plurality of input ports for said processor;

a program stored in said memory ~~to operate~~ and operable to control said processor to receive a plurality of commands applied to said plurality of input ports and operable to control said processor to process said commands to produce a password which is compared with a predetermined password.

9. (currently amended) The security system of claim 8 further comprising a switching circuit coupled to ~~said~~ a scan-path interface circuit and being responsive to said comparison for switching said scan-path interface circuit between a first mode in which it is enabled and a second mode in which it is disabled.

10. (previously added) The security system of claim 8 wherein said program operates said processor to receive said plurality of commands which are applied to said plurality of ports in a specific time sequence.

11. (currently amended) The security system of claim 8 further comprising a pair of registers, one of said registers receiving said produced password and the other of said registers containing said predetermined password; and a comparator for comparing the contents of said registers for controlling ~~said~~ a switching circuit.

12. (previously added) The security system of claim 9 further comprising a pair of registers, one of said registers receiving said produced password and the other of said registers containing said predetermined password; and a comparator for comparing the contents of said registers for controlling said switching circuit.

13. (currently amended) The security system of claim 10 further comprising a pair of registers, one of said registers receiving said produced password and the other of said registers containing said predetermined password; and a comparator for comparing the contents of said registers for controlling ~~said~~ a switching circuit.

14. (currently amended) A security system for an integrated circuit computer system comprising:

means for applying a plurality of commands to a plurality of ports for a processor of said system;

A
| a program stored in a memory coupled to said processor ~~for operating~~ and
operable to control said processor to process said plurality of commands to produce a password;

means for comparing said produced password with a predetermined password.

15. (currently amended) The security system of claim 14 wherein said program ~~operates~~ is operable to control said processor to receive said plurality of commands which are applied to said plurality of ports in a specific time sequence.

16. (previously added) The security system of claim 14 further comprising a pair of registers, one of said registers receiving said produced password and the other of said registers containing said predetermined password; and a comparator for comparing the contents of said registers and generating a comparison signal.

17. (previously added) The security system of claim 15 further comprising a pair of registers, one of said registers receiving said produced password and the other of said

registers containing said predetermined password; and a comparator for comparing the contents of said registers and generating a comparison signal.

18. (previously added) The security system of claim 14 further comprising a scan-path interface circuit for reading out contents of a predetermined memory or register in said system and a switching circuit responsive to said comparison to switch operation of said scan-path interface circuit between enabled and disabled modes.

19. (previously added) The security system of claim 15 further comprising a scan-path interface circuit for reading out contents of a predetermined memory or register in said system and a switching circuit responsive to said comparison to switch operation of said scan-path interface circuit between enabled and a disable modes.

20. (previously added) The security system of claim 16 further comprising a scan-path interface circuit for reading out contents of a predetermined memory or register in said system and a switching circuit responsive to said comparison to switch operation of said scan-path interface circuit between enabled and a disable modes.

21. (previously added) The security system of claim 17 further comprising a scan-path interface circuit for reading out contents of a predetermined memory or register in said system and a switching circuit responsive to said comparison to switch operation of said scan-path interface circuit between enabled and a disable modes.